

ABSTRACT OF THE DISCLOSURE**ARCHITECTURE AND METHOD FOR MANAGING THE SHARING OF
LOGICAL RESOURCES AMONG SEPARATE PARTITIONS OF A
LOGICALLY PARTITIONED COMPUTER SYSTEM**

A mechanism is provided for sharing resources among logical partitions in a logical partitioned data processing system and for managing the changes to resources in such a way that the sharing operating systems are able to handle the various transitions in a graceful manner. Four hypervisor functions plus a specific return code manage the granting of access of resources owned by one partition to another (client) partition, accepting of granted resources by client partitions, returning of granted resources by client partitions, and rescinding of access by the owning partition. These four hypervisor functions are invoked either explicitly by the owning and client partitions or automatically by the hypervisor in response to partition termination. The hypervisor functions provide the needed infrastructure to manage the sharing of logical resources among partitions.